Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/29/2017 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124390	-1	2.02	124215	1.98
Blue	F	SSC	125000	124380	-1	3.26	124631	3.03
Blue	E	FITC	23795	22999	-4	2.86	1024	10.78
Blue	D	PE	29673	28962	-3	2.50	1039	10.25
Blue	B	PerCP-Cy5-5	48943	47890	-3	3.77	1376	17.64
Blue	A	PE-Cy7	44112	44139	0	5.56	674	38.02
Red	C	APC	54273	54210	-1	2.80	3128	9.58
Red	A	APC-Cy7	54945	54252	-2	2.77	1123	11.32
Violet	B	V450	15756	15091	-5	3.85	724	8.83
Violet	A	V500	62569	60468	-4	3.54	2677	6.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19574	3.62	615	1	N/A	N/A	Pass
Blue	F	SSC	61073	1.78	548	2	N/A	N/A	Pass
Blue	E	FITC	113	40.12	551	1	0.0188	129	Pass
Blue	D	PE	227	30.35	549	3	0.1514	259	Pass
Blue	B	PerCP-Cy5-5	211	47.56	640	1	0.0093	106	Pass
Blue	A	PE-Cy7	71	129.04	697	-2	0.0105	15	Pass
Red	C	APC	367	27.47	600	0	0.0196	35	Pass
Red	A	APC-Cy7	123	40.95	577	-7	0.0054	1546	Pass
Violet	B	V450	87	43.04	469	-3	0.0496	2182	Pass
Violet	A	V500	194	22.92	496	-3	0.0133	261	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.33	-30.92	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.07	13.27 - 19.91	N/A	N/A	31.04	31.48	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10520

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments